

IN THE CLAIMS:

D¹
1. (Amended) An isolated and/or recombinant nucleotide sequence enabling a G2/M cell cycle dependent initiation of translation of mRNA, wherein said isolated or recombinant nucleotide sequence is an internal ribosomal entry site sequence which initiates mRNA translation in a eukaryotic cell.

D² F¹
4. (Amended) An isolated and/or recombinant nucleic acid molecule encoding at least a functional part of an eukaryotic internal ribosomal entry site, which said eukaryotic internal ribosomal entry site, in a mitotic PITSLRE protein kinase gene, comprises SEQ ID NO:1 or a functional part of SEQ ID NO:1 and wherein said eukaryotic internal ribosomal entry site initiates mRNA translation in a eukaryotic cell.

D³ F¹
11. (Twice Amended) A chimeric gene comprising:
(a) the isolated and/or recombinant nucleotide sequence of claim 1, and
(b) one or more control sequences operably linked to said isolated and/or recombinant nucleotide sequence.

12. (Twice Amended) A vector comprising the isolated and/or recombinant nucleotide sequence of claim 1.

D⁴ F¹
14. (Twice Amended) A eukaryotic host cell comprising the nucleotide sequence of claim 1.

D⁵
17. (Twice Amended) A method of inducing a cell cycle dependent initiation of translation in a eukaryotic cell, said method comprising introducing the isolated and/or recombinant nucleotide sequence of claim 1 into said eukaryotic cell.

Please cancel claims 2, 3, 8-10, 18, 19 and 22 without prejudice or disclaimer.

Please add the following new claims:

Sub F1
25. (New) An isolated and/or recombinant nucleic acid molecule selected from the group consisting essentially of SEQ ID NO:4, SEQ ID NO:5, SEQ ID NO:6, or combinations thereof, said nucleic acid molecule initiating the translation of mRNA in a eukaryotic cell, said nucleic acid molecule initiating the translation of mRNA in a eukaryotic cell.

D6
26. (New) A method of inducing a cell cycle dependent initiation of translation in a eukaryotic cell, said method comprising introducing the isolated and/or recombinant nucleic acid molecule of claim 25 into said eukaryotic cell.

Sub F1
27. (New) A chimeric gene comprising:
a) the isolated and/or recombinant nucleic acid molecule of claim 25, and
b) one or more control sequences operably linked to said isolated and/or recombinant nucleic acid molecule.

28. (New) A vector comprising the isolated and/or recombinant nucleic acid molecule of claim 25.

29. (New) The vector of claim 28 wherein said vector is an expression vector, said vector further comprising a promoter.

Sub F1
30. (New) A eukaryotic host cell comprising the nucleic acid molecule of claim 25.

31. (New) An expression system comprising the eukaryotic host cell of claim 30.

32. (New) A vector comprising the chimeric gene of claim 27.

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33. (New) The vector of claim 32, wherein said vector is an expression vector, said vector further comprising a promoter.

34. (New) A eukaryotic host cell comprising the chimeric gene of claim 27.

35. (New) An expression system comprising the eukaryotic host cell of claim 34.

36. (New) An expression system comprising the eukaryotic host cell of claim 24.
